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New arylalkananilide cpds. - are ACAT inhibitors, for reducing blood lipid levels and for treating arteriosclerosis

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Patent Family (2 patents, 21 countries)

Patent			Application			
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Alerting Abstract WO A1

Arylalkananilide cpds. of formula (I) and their salts are new. In (I), X = S, O, NR", CO, CH₂ or a bond; R₁₁ = H or 1-4C alkyl; R₁ = 5-18C alkyl, 2-18C alkenyl, 2-18C alkynyl, 3-8C cycloalkyl (opt. substd. by 1-4C alkyl or 3-8C cycloalkyl), 1-4C alkyl (opt. substd. by 3-8C cycloalkyl, NH₂ mono or di (1-12C alkyl) amino) or a gp. of formula (a): m = 0-3; R₉, R₁₀ = H, halo, OH, CN, 1-12C alkyl, 1-12C alkoxy, 3-8C cycloalkyl, (opt. substd. by 1-4C alkyl), 1-4C haloalkyl, or opt. substd. aryl, aralkyl, aralkoxy, aralkenyl or aralkynyl; Z = CH or N; D, E = H or 1-4C alkyl; or D + E with ring Q = naphthalene, 1,2,3,4-tetrahydronaphthalene, quinoline or 5,6,7,8-tetrahydroquinoline; R₂, R₃ = H, halo, OH, CN, 1-12C alkyl, 1-12C alkoxy, 3-8C cycloalkyl (opt. substd. by 1-4C alkyl) 1-4C haloalkyl, or opt. substd. aryl, aralkyl, aralkoxy, aralkenyl or aralkynyl; or R₁ X + R₃ = naphthalene or heterocyclyl opt. substd. by halo, OH, CN, 1-8C alkyl or 1-8C alkoxy; R₄, R₅ = H, 1-4C alkyl (opt. substd. by 3-8C cycloalkyl), 3-8C cycloalkyl (opt. substd. by 1-4C alkyl), or aralkyl; or CR₄CR₅ = 1 3-8C hydrocarbyl ring; R₆, R₈ = H, halo, 1-4C alkyl or 1-4C alkoxy.

USE - (I) are ACAT inhibitors which reduce blood lipid levels and are thus useful for treating arteriosclerosis. Dosage is 1-500 mg/day in one or more divided doses orally or parenterally.

USE - kyl,

Title Terms /Index Terms/Additional Words: NEW; ARYL; ALKAN; ANILIDE; COMPOUND; INHIBIT; REDUCE; BLOOD; LIPID; LEVEL; TREAT; ARTERIOSCLEROSIS

Class Codes

International Classification (Main): C07C-233/11

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****ARYLALKANANILIDE COMPOUND AND PHARMACEUTICAL USE THEREOF****

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Original Abstract: An arylalkananilide compound represented by general formula (I) or a pharmaceutically acceptable salt thereof, wherein X represents S, O, NR", CO, CH2 or a chemical bond; R1 represents C5-C18 alkyl, optionally substituted phenyl, pyridyl, etc.; R2 and R3 represent each hydrogen, halogen, alkyl, alkoxy, etc.; R4 and R5 represent each hydrogen, alkyl, cycloalkyl, etc.; R6, R7 and R8 represent each hydrogen, halogen, alkyl, etc.; and n represents 0, 1 or 2. The compound has an ACAT inhibitory effect and is useful for reducing lipid content and treating arteriosclerosis.